



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/837,043	04/18/2001	Gary Dan Dotson	01AB028	9193

7590

01/08/2004

Alexander M. Gerasimow
Rockwell Automation (Allen-Bradley Co., Inc.)
1201 South Second Street
Milwaukee, WI 53204

EXAMINER

QUILLEN, ALLEN E

ART UNIT

PAPER NUMBER

2676

DATE MAILED: 01/08/2004

7

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action

Application No.

09/837,043

Applicant(s)

DOTSON, GARY DAN

Examiner

Allen E. Quillen

Art Unit

2676

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 22 December 2003 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) ☐ The period for reply expires _____ months from the mailing date of the final rejection.
- b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
- ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
- (b) ☐ they raise the issue of new matter (see Note below);
- (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____

3. ☐ Applicant's reply has overcome the following rejection(s): _____.
4. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☐ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____

Claim(s) objected to: _____

Claim(s) rejected: _____

Claim(s) withdrawn from consideration: _____

8. ☐ The drawing correction filed on _____ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☒ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). 3.
10. ☐ Other: _____



MATTHEW C. BELLA

SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2600

Response to Arguments

The Applicant argues that "Kuchkuda does not teach or suggest utilizing FIFO counter values, providing an underflow indication, or that an underflow indication is based on FIFO counter values..." (Pages 10-12).

The Examiner respectfully notes, however, that in the claims Kuchkuda and Nishiyama do disclose these features. Kuchkuda discloses control logic, line counters, page detection logic, underflow scheme to prevent starvation by managing memory in units of pages (Figure 12, Column 18, line 31 through Column 19, line 2). Nishiyama teaches that the underflow indication is controlled (prevent occurrence of interruption, Column 5, lines 52-53) according to the first input and output counter values (Column 3, lines 7-10, 29-30, 34-35; Column 5, lines 42-54).

The Applicant asserts that "Neither Rudin et al. nor Reddy overcome the deficiencies of Kuchkuda et al. and Nishiyama with respect to independent claim 1." (Page 12).

The Examiner respectfully replies that, in the claims 12-16 however, Rudin and Reddy teach the features of a second input, second output, providing first and second video data to the video pipeline, dual scan operation with the memory providing interleaved video for the purpose of low power consumption and multiple display types.